

FCC RF EXPOSURE REPORT

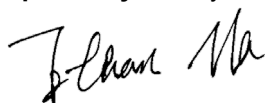
FCC ID: TE7LM500

Project No. : 1909C149
Equipment : Tapo Smart Light Bulb Wi-Fi Module
Brand Name : tp-link
Test Model : LM500
Series Model : N/A
Applicant : TP-Link Technologies Co., Ltd.
Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer : TP-Link Technologies Co., Ltd.
Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Date of Receipt : Sep. 27, 2019
Date of Test : Sep. 27, 2019 ~ Nov. 08, 2019
Issued Date : Feb. 27, 2020
Report Version : R02
Test Sample : Engineering Sample No.: DG2019102113
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.



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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue	Jan. 16, 2020
R01	Updated the data for power.	Feb. 25, 2020
R02	Changed the model name.	Feb. 27, 2020

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		N/A	PCB	N/A	0.27

2. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Average Output Power (dBm)	Max. Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
0.27	1.0641	17.76	59.7035	0.01265	1	Complies

Note:

- 1) The calculated distance is 20 cm.
- 2) Output power including tune up tolerance (± 0.5 dB).

End of Test Report